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# How The PoE Switch Software Is Accessed

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## 1. HOW THE SOFTWARE IS ACCESSED IN THE POE SWITCH

This section shows how to log in to the switch's configuration web page.

To configure the software in the switch, the correct IP address needs to be set on the computer.

Access to the switch's software is through a browser, (such as: Chrome, Edge, Firefox, etc.).

Follow the steps to access the switch's settings.



### NOTE

The settings shown are settings for PC, (Windows 7 - Windows 11). Windows and names may vary between different versions of Windows. Unfortunately, we cannot provide support for settings of your computer.



## NOTE

IP address of the switch (factory setting): **192.168.2.1**

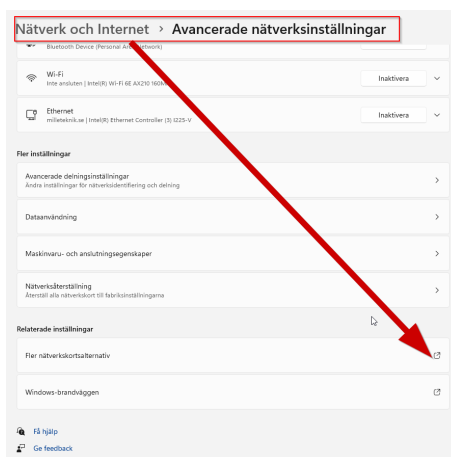
Password (factory setting): **admin**



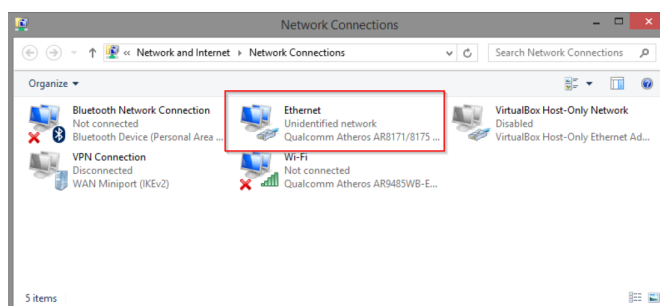
## NOTICE

The address of the PoE switch is: **192.168.2.1** and username and password are: **admin/admin** The IP address in the switch is static (fixed) and therefore the computer's IP address and subnet mask must be static.

1. Open settings and go to **Network and Internet** -> **Advanced network settings**. Open **more network card options**.

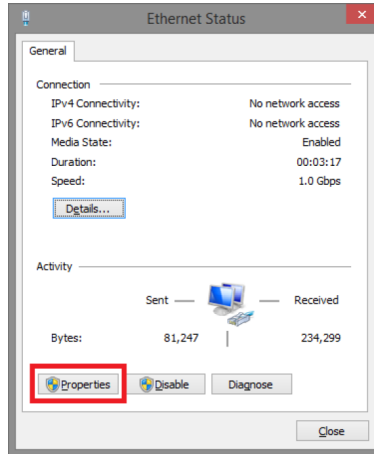


2. A Network Connections window will appear showing all available network connections on the computer. Double-click the network connection you use to connect to the switch.

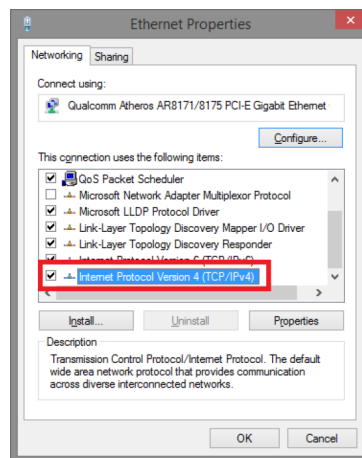


3. Ethernet status window appears. Click the button **Characteristics** as shown in the figure below.

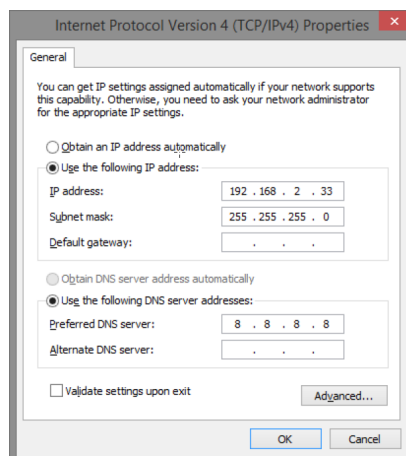




4. Double-click: Internet Protocol Version 4 (TCP / IPv4).



5. Set the computer's IP address and subnet mask as shown in the figure below. By default, the product's **IP address be 192.168.2.1**. You can set any IP address as long as it is not the same as your switch's IP address and is in the same network segment as your switch's IP address. Press on **OK** to apply the TCP/IPv4 settings you just made. Now you can connect to your switch using a web browser (Chrome, Edge or Firefox).



6. Connect an RJ-45 cable and connect to the PoE switch.





## 2. LOG IN TO THE POE SWITCH



### NOTE

IP address of the switch (factory setting): **192.168.2.1**

Password (factory setting): **admin**



### NOTE

If you get a warning that the page is not secure/the connection is not private, click "advanced" and then "continue".

1. Start the browser on your computer.
2. Login to PoE switch.



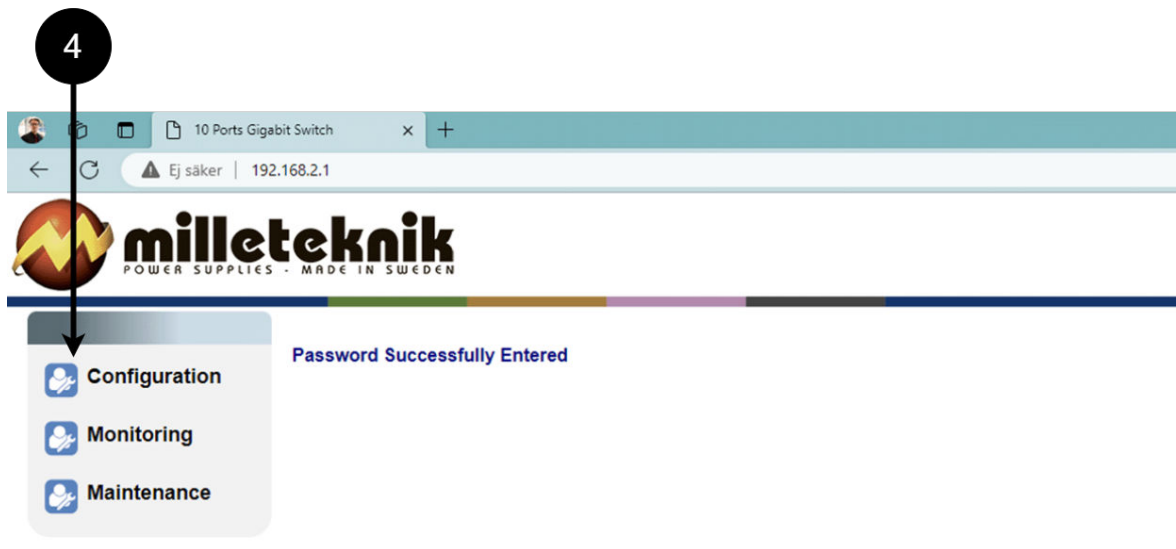
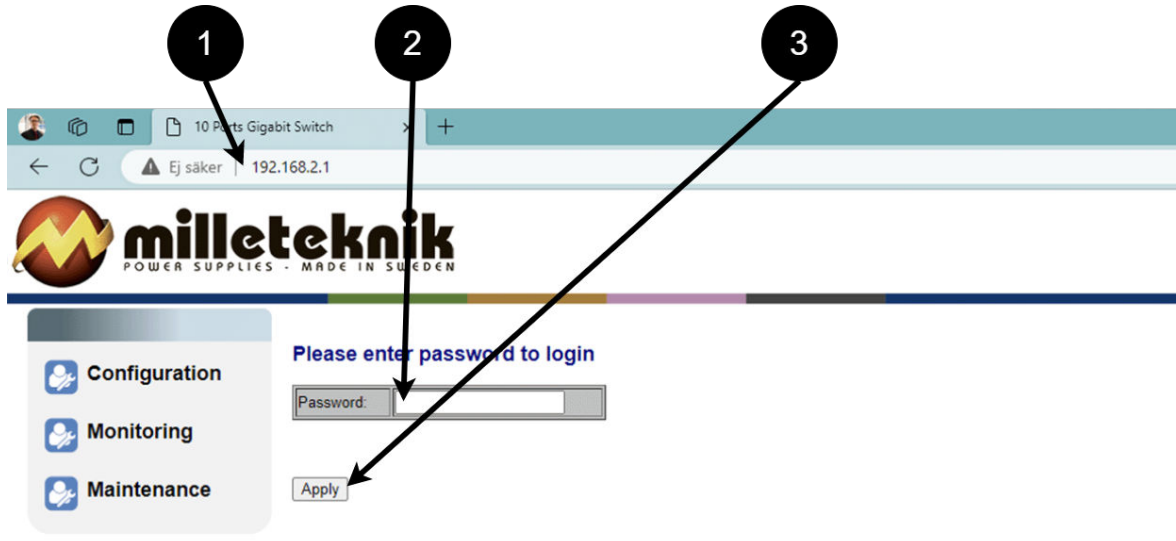


Table 1. Log in to the switch.

Number	Explanation
1	IP address of the PoE switch: 192.168.2.1
2	Password: admin
3	Apply = Ok
4	Menu in the PoE switch



### 3. CONFIGURATION

#### 3.1. System, configuration



Table 2. System, configuration.

Letter, number	Explanation
A	PoE switch system configuration page
A.1	Tick here if you are going to use DHCP, see warning below.
A.2	Changes the factory default password, (admin).
A.3	If you have made any changes, you need to click "Apply" to save the changes.







### **WARNING**

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.

## 3.2. Ports, configuration



### **WARNING**

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.





The screenshot shows the 'Port Configuration' page on the milleteknik website. The left sidebar has a callout 'B' pointing to the 'Ports' menu item. The main content area has a table with columns 'Port', 'Link', 'Mode', and 'Flow Control'. Callout 'B.1' points to the 'Auto speed' dropdown menu in the 'Mode' column for port 10. Callout 'B.2' points to the 'Flow Control' checkboxes in the 'Flow Control' column for port 10. A callout box for 'Auto speed' lists: 10 Half, 10 Full, 100 Half, 100 Full, 1000 Full, Disabled. Another callout box for 'Flow Control' lists: Fill, Link-up, Link-down, Disable.

Port	Link	Mode	Flow Control
1	Down	Auto Speed	<input type="checkbox"/>
2	Down	Auto Speed	<input type="checkbox"/>
3	Down	Auto Speed	<input type="checkbox"/>
4	Down	Auto Speed	<input type="checkbox"/>
5	Down	Auto Speed	<input type="checkbox"/>
6	Down	Auto Speed	<input type="checkbox"/>
7	Down	Auto Speed	<input type="checkbox"/>
8	Down	Auto Speed	<input type="checkbox"/>
9	Down	Auto Speed	<input type="checkbox"/>
10	100FDX	Auto Speed	<input type="checkbox"/>
11	Down	Auto Speed	<input type="checkbox"/>
12	Down	Auto Speed	<input type="checkbox"/>

Table 3. Ports, configuration.

Letter, number	Explanation
B	Gates
B.1	This setting normally does not need to be changed. Select the speed of the PoE switch's ports.
B.2	This setting normally does not need to be changed.





### 3.3. VLAN configuration



#### WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



C: Configuration of Virtual LAN.

### 3.4. Aggregation, configuration



#### WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



The screenshot shows the milleteknik web interface. The browser address bar displays "Ej säker | 192.168.2.1". The milleteknik logo is at the top left. The left sidebar contains a "Configuration" menu with sub-items: System, Ports, VLANs, Aggregation (highlighted with a black circle and arrow labeled 'D'), IGMP Snooping, Mirroring, LLDP, Quality of Service, and Power over Ethernet. Below this are "Monitoring" and "Maintenance" sections. The main content area is titled "Aggregation/Trunking Configuration" and features a table with 12 columns (GroupPort 1-12) and 9 rows (Normal, Group 1-8). Each cell contains a radio button. Below the table are "Apply" and "Refresh" buttons. A status bar at the bottom left shows "192.168.2.1/aggr?submit=Refresh".

D: Load balancing between the ports.

### 3.5. IGMP Snooping, configuration



#### WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.





The screenshot shows the milleteknik web interface for a device at IP 192.168.2.1. The page title is "IGMP Configuration". The left-hand navigation menu includes "Configuration", "System", "Ports", "VLANs", "Aggregation", "IGMP Snooping", "Mirroring", "LLDP", "Quality of Service", "Power over Ethernet", "Monitoring", and "Maintenance". The "IGMP Snooping" option is highlighted with a black circle containing the letter "E" and an arrow pointing to it. The main content area shows the following settings:

- IGMP Enabled:
- Router Ports: 1  2  3  4  5  6  7  8   
9  10  11  12
- Unregistered IPMC Flooding enabled:

VLAN ID	IGMP Snooping Enabled	IGMP Querying Enabled
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Buttons: Apply Refresh

URL: 192.168.2.1/igmpconf

E: Switch that controls reception.

### 3.6. Mirroring, configuration



#### WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



Ej säker | 192.168.2.1

**milleteknik**  
POWER SUPPLIES - MADE IN SWEDEN

**Configuration**

- System
- Ports
- VLANs
- Aggregation
- IGMP Snooping
- Mirroring**
- LLDP
- Quality of Service
- Power over Ethernet

**Monitoring**

**Maintenance**

**Mirroring Configuration**

Port	Mirror Source
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>
7	<input type="checkbox"/>
8	<input type="checkbox"/>
9	<input type="checkbox"/>
10	<input type="checkbox"/>
11	<input type="checkbox"/>
12	<input type="checkbox"/>

Mirror Port: 2

Apply Refresh

192.168.2.1/mirror?submit=Refresh

F: Mirroring of ports.

### 3.7. LLDP configuration



#### **WARNING**

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.



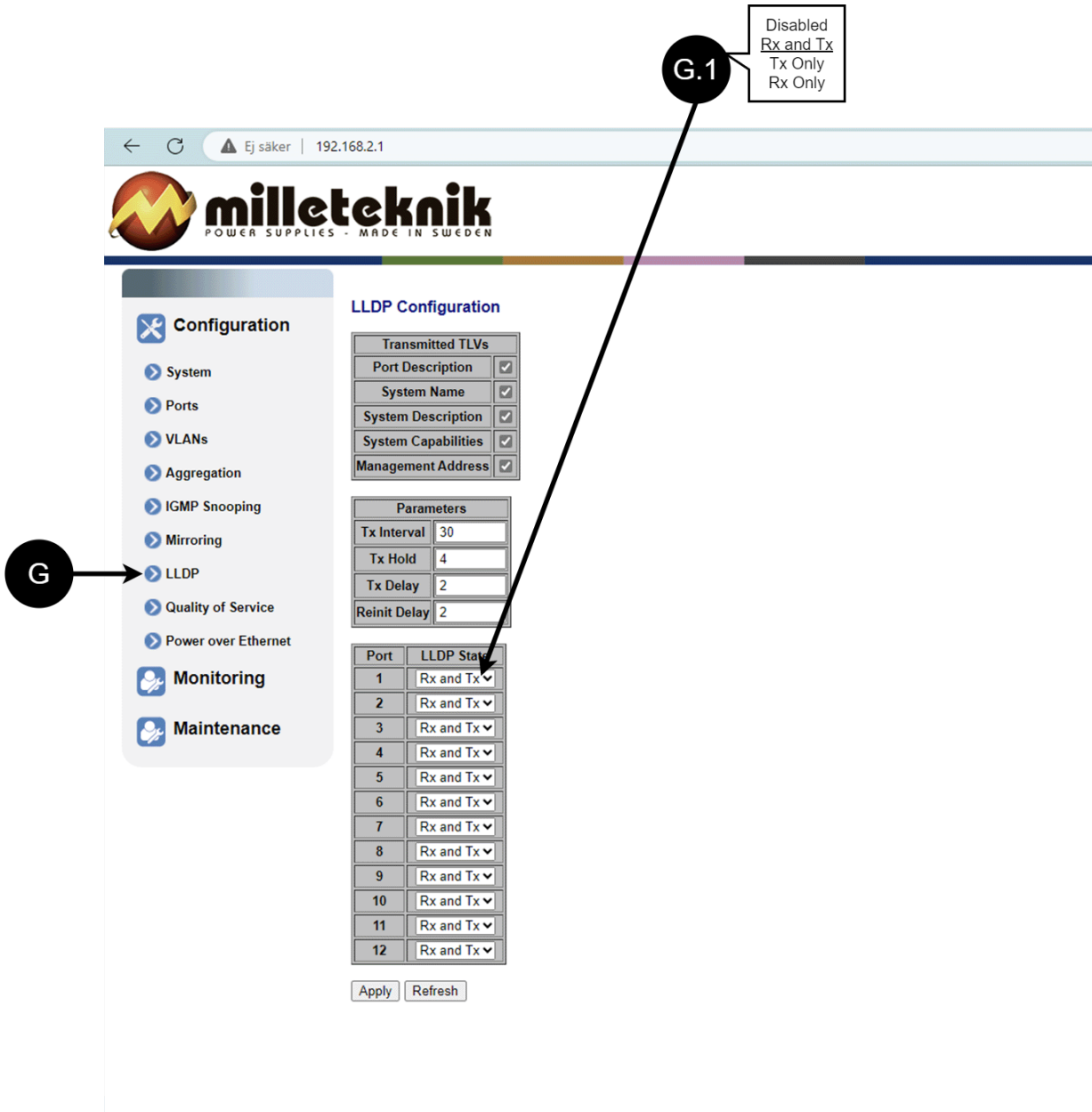


Table 4. LLDP configuration.

Letter, number	Explanation
G	LLDP stands for "Link Layer Discovery Protocol", which is a network protocol standard used to discover and communicate information about network devices connected to the same Ethernet network. The protocol allows devices such as switches and routers to send and receive messages containing information about the device's identification, capabilities, and connection topology.
G.1	RX and TX are abbreviations used in electronics, communications, and computer networking to indicate the direction of data flow between devices. RX: The abbreviation "RX" stands for "Receive" or "Reception". It indicates that the device is receiving data or signals from another device. When a device has an RX input, it means that it is designed to receive data or information from a transmitting device. TX: The abbreviation "TX" stands for "Transmit" or "Transmission". It indicates that the device is transmitting data or signals to another device. If a device has a TX output, it means that it is designed to transmit data or information to a receiving device. These abbreviations are especially common when it comes to data communication, such as in the context of network cables where there are specific RX and TX wires that allow for two-way communication between devices.



## 3.8. QoS, configuration



### WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.

The screenshot shows the web interface for a 10 Ports Gigabit Switch. The browser address bar shows the URL `192.168.2.1`. The page title is "QoS Configuration". The "QoS Mode" dropdown menu is set to "QoS Disabled". A callout box labeled "H.1" points to the dropdown menu, listing the following options: "QoS Disabled", "802.1p", and "DSCP". A callout box labeled "H" points to the "Quality of Service" menu item in the left sidebar. The sidebar also includes "System", "Ports", "VLANs", "Aggregation", "IGMP Snooping", "Mirroring", "LLDP", "Power over Ethernet", "Monitoring", and "Maintenance".







Table 5. QoS, configuration.

Letter, number	Explanation
H	QoS gives different network traffic different priority, helping to ensure that important services are delivered with sufficient bandwidth and minimal delay even when the network is under load.
H.1	Sets whether QoS is active.

### 3.9. PoE, configuration



#### WARNING

The settings on this page normally do not need to be changed. Only change the settings if you absolutely know what you are doing.

Factory reset the PoE device if it does not behave as expected after adjusting settings on this page.

**PoE (Power over Ethernet) Configuration**

Port	PoE Enabled	PD Class	Delivering Power [W]	Power Budget [%] (total power = 240W)
1	<input checked="" type="checkbox"/>	0	0	0%
2	<input checked="" type="checkbox"/>	0	0	
3	<input checked="" type="checkbox"/>	0	0	
4	<input checked="" type="checkbox"/>	0	0	
5	<input checked="" type="checkbox"/>	0	0	
6	<input checked="" type="checkbox"/>	0	0	
7	<input checked="" type="checkbox"/>	0	0	
8	<input checked="" type="checkbox"/>	0	0	

Apply Refresh



Table 6. PoE, configuration

Letter, number	Explanation
I	Power over Ethernet
I.1	Turns PoE function/port on or off. Remember to press "Apply" to save changes.

## 4. MONITORING

### 4.1. Statistics, overview

The screenshot shows the milletechnik web interface. The sidebar on the left has a menu with the following items:

- Configuration
  - System
  - Ports
  - VLANs
  - Aggregation
  - IGMP Snooping
  - Mirroring
  - LLDP
  - Quality of Service
  - Power over Ethernet
- Monitoring
  - Statistics Overview (selected)
  - Detailed Statistics
  - IGMP Status
  - LLDP Statistics
  - LLDP Table
  - Ping
- Maintenance

The main content area is titled "Statistics Overview for all ports" and contains a table with the following data:

Port	Tx Bytes	Tx Frames	Rx Bytes	Rx Frames	Tx Errors	Rx Errors
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	244208	487	1248287	371	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

Table 7. Statistics, overview.

Letter, number	Explanation
J	Statistics, overview
J.1	Traffic per port.





## 4.2. Statistics, detailed

The screenshot shows the milleteknik web interface. The left sidebar has a 'Monitoring' section with 'Detailed Statistics' selected, indicated by a black circle 'K'. The main content area is titled 'Statistics for Port 1' and contains a table with columns for 'Port 1' through 'Port 16'. A black circle 'K.1' points to the 'Port 1' dropdown menu. The table displays various statistics including Receive Total, Transmit Total, Receive Size Counters, Transmit Size Counters, Receive Error Counters, and Transmit Error Counters.

Table 8. Statistics, detailed.

Letter, number	Explanation
K	Detailed statistics
K.1	Select the port for which you want statistics.



### 4.3. IGMP status

The screenshot shows the Milleteknik web interface for a 10 Ports Gigabit Switch. The browser address bar shows the URL 192.168.2.1. The page title is "10 Ports Gigabit Switch". The Milleteknik logo is visible at the top. The navigation menu on the left is expanded to show the "Monitoring" section, with "IGMP Status" selected. A black circle with the letter "L" and an arrow points to the "IGMP Status" menu item. The main content area displays the "IGMP Status" for VLAN 1, with a table showing the following data:

VLAN ID	Querier	Queries transmitted	Queries received	v1 Reports	v2 Reports	v3 Reports	v2 Leaves
1	Idle	0	0	0	0	0	0

Below the table is a "Refresh" button.

L: Status of IGMP





## 4.4. LLDP statistics

**Configuration**

- System
- Ports
- VLANs
- Aggregation
- IGMP Snooping
- Mirroring
- LLDP
- Quality of Service
- Power over Ethernet

**Monitoring**

- Statistics Overview
- Detailed Statistics
- IGMP Status
- LLDP Statistics
- LLDP Table
- Ping

**Maintenance**

### LLDP Statistics

Port	Tx Frames	Rx Frames	Rx Error Frames	Discarde Frames	TLVs discarded	TLVs unrecognized	Org. TLVs discarded	Ageouts
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
11	4983	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0

Refresh



M: LLDP statistics



## 4.5. LLDP table

The screenshot shows the milleteknik web interface for a 10 Ports Gigabit Switch. The browser address bar shows the URL `192.168.2.1`. The page title is "LLDP Neighbour Table". The interface includes a sidebar with the following menu items:

- Configuration
- Monitoring
  - Statistics Overview
  - Detailed Statistics
  - IGMP Status
  - LLDP Statistics
  - LLDP Table (highlighted with callout 'N')
  - Ping
- Maintenance
  - Warm Restart
  - Factory Default
  - Software Upload
  - Configuration File Transfer
  - Logout

The main content area displays the "LLDP Neighbour Table" with the following columns: Local Port, Chassis Id, Remote Port ID, System Name, Port description, System Capabilities, and Management Address. The table is currently empty, showing "No entries in table". A "Refresh" button is located below the table.

Local Port	Chassis Id	Remote Port ID	System Name	Port description	System Capabilities	Management Address
No entries in table						

N: LLDP overview.



## 4.6. Ping

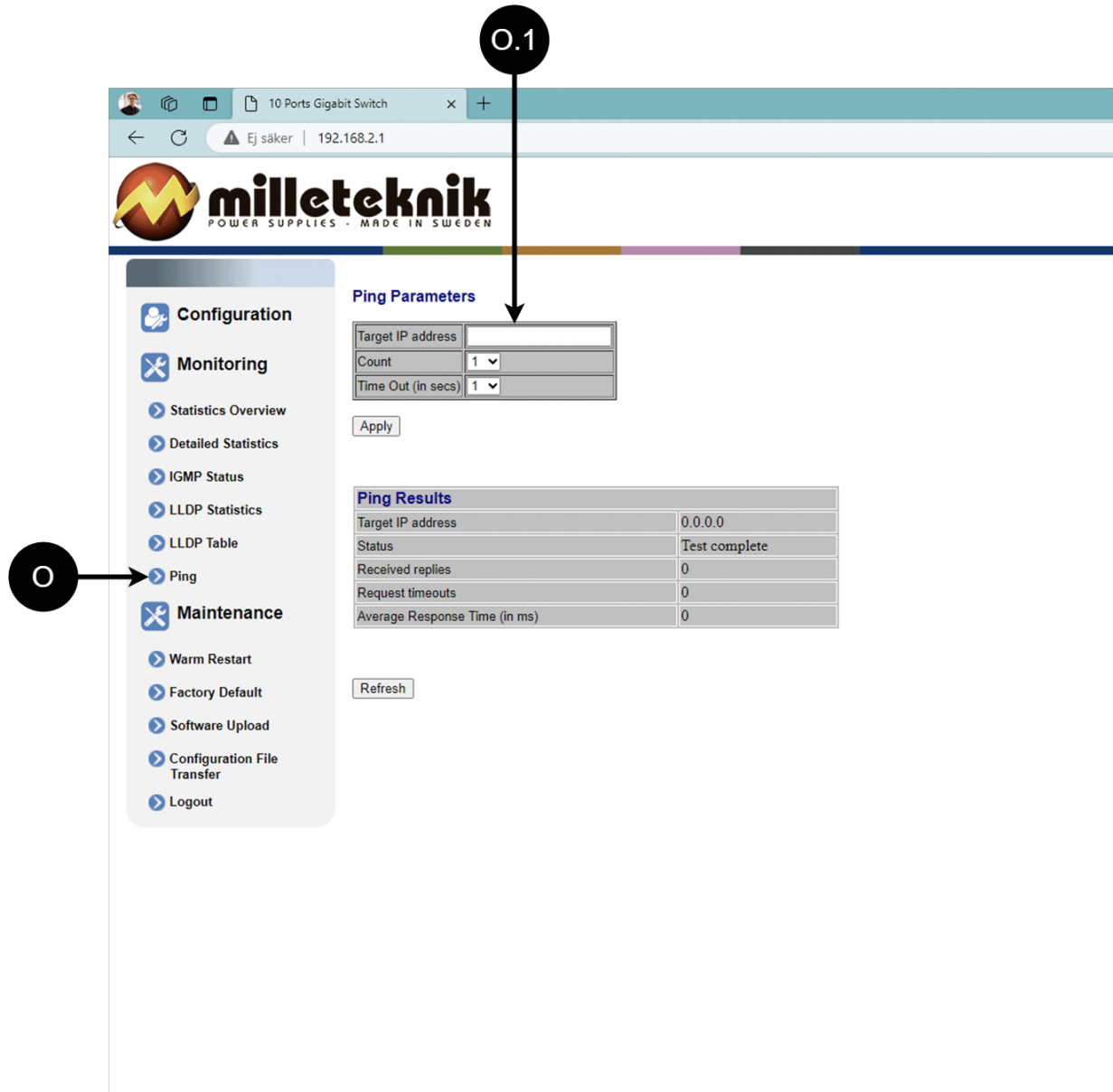


Table 9. Ping.

Letter, number	Explanation
O	Ping
[sv] O.1	Input address to test the connection and response time.



## 5. MAINTENANCE

### 5.1. Reboot



#### WARNING

Restart is done by PoE switch, battery backup is not restarted. Upon reboot, connected devices will lose connection. Alarm can be set to battery backup, but it disappears when the PoE switch is back on.

The screenshot shows a web browser window with the URL 192.168.2.1. The page title is "10 Ports Gigabit Switch" and the logo is "milleteknik POWER SUPPLIES - MADE IN SWEDEN". The left sidebar contains a "Maintenance" section with the following options: Warm Restart, Factory Default, Software Upload, Configuration File Transfer, and Logout. The "Warm Restart" option is selected. The main content area displays a "Warm Restart" dialog box with the text "Are you sure you want to perform a Warm Restart?" and two buttons: "Yes" and "No". A callout "P" in a circle points to the "Warm Restart" option in the sidebar, and a callout "P.1" in a circle points to the "Yes" button in the dialog box.







Table 10. Restarting the PoE switch.

Letter, number	Explanation
P	Rebooting the PoE switch.
P.1	Select "Yes" to reboot the switch.

## 5.2. Factory reset



### WARNING

Factory reset is done by PoE switch. Battery backup is not restored. On reset, connected devices will lose connection. Alarm can be set to battery backup, but it disappears when the PoE switch is back on.



### IMPORTANT

During a factory reset, all settings, including IP settings, are lost. Save configuration before factory reset. See [Upload new software \[26\]](#)

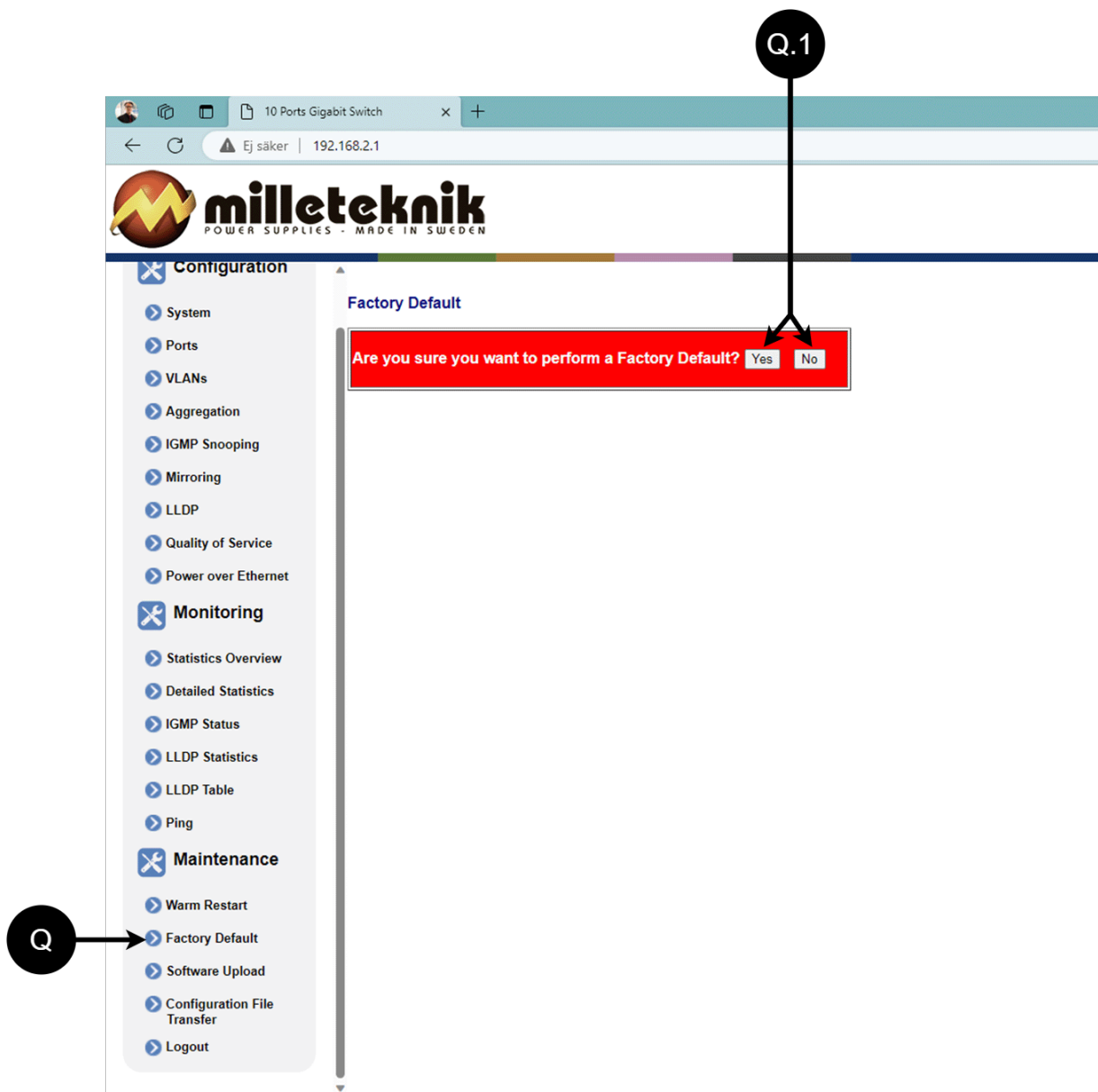


Table 11. PoE switch factory reset.

Letter, number	Explanation
Q	Factory reset the PoE switch.
Q.1	Select "Yes" to factory reset the PoE switch.

### 5.3. Upload new software



#### WARNING

Only use software you received from Milleteknik's support. Milleteknik assumes no responsibility for software or consequences such as damage to the device or peripheral equipment or other damage that may arise from uploading unapproved software.



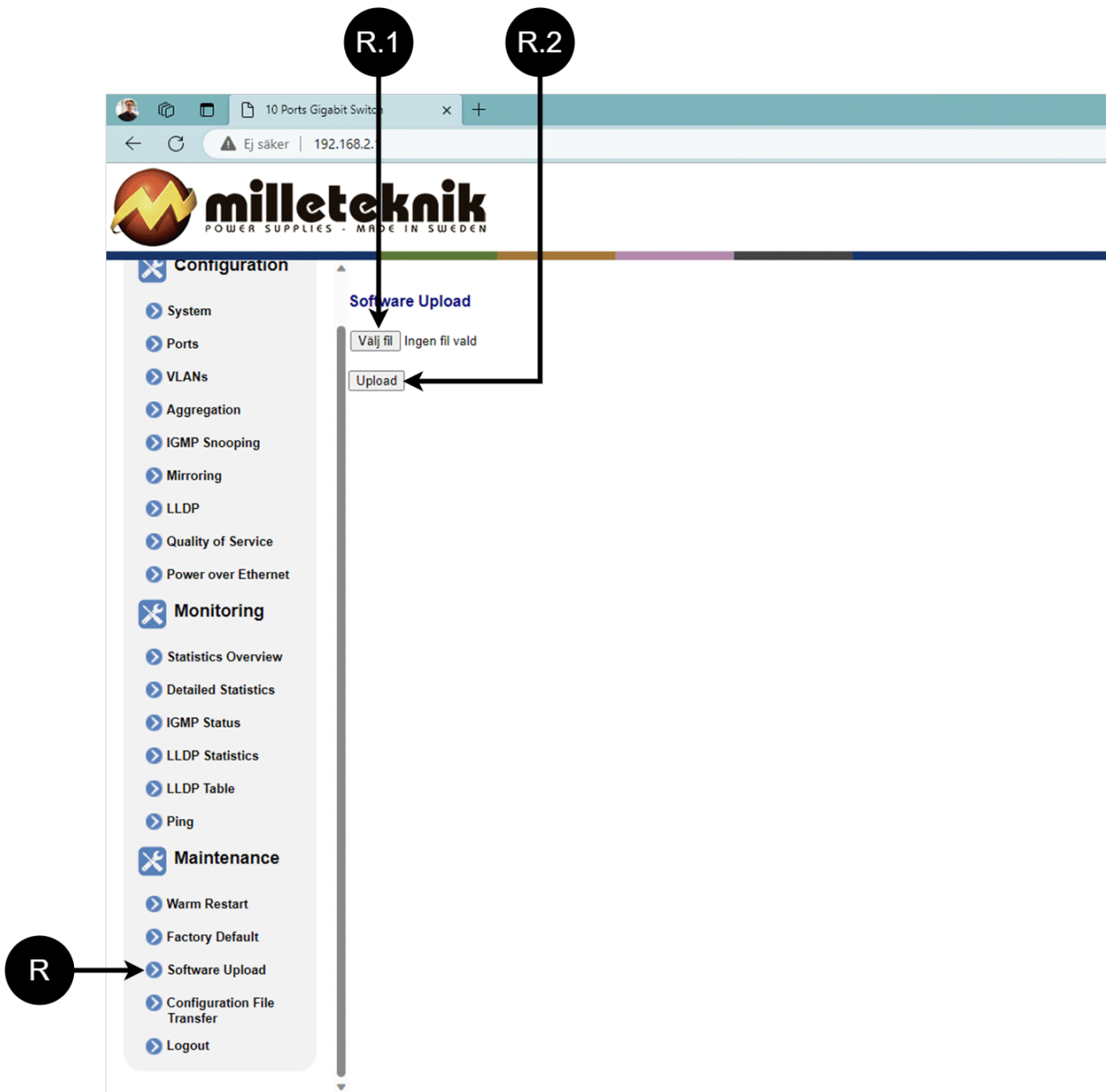


Table 12. Upload new software.

Letter, number	Explanation
R	Upload new software to the Switch.
R.1	Navigate to the location on your computer where you saved the file.
R.2	Click "Upload" to upload the software.



## 5.4. Load and save configuration file

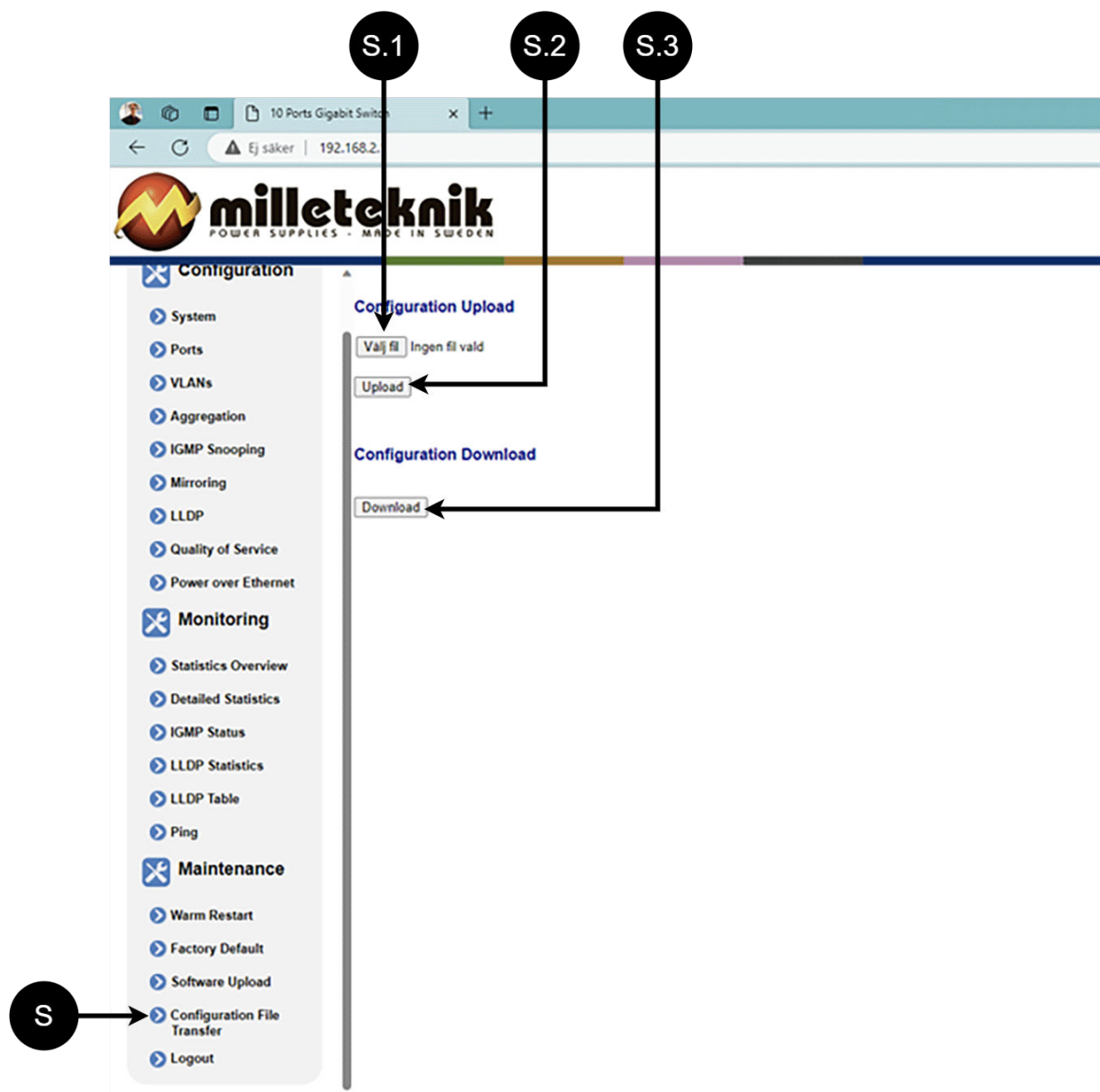


Table 13. Load and save configuration file.

Letter, number	Explanation
S	Upload or download the switch's configuration.
S.1	Select new configuration file.
S.2	Upload new configuration file.
S.3	Download configuration file to computer <sup>a</sup> .

<sup>a</sup>Newer Windows computers do not allow \*.cfg files to be downloaded without additional approval in the browser when downloading. Antivirus programs may delete the file during download.



## 5.5. Sign out



T: Log out of the switch. This does not affect the operation of the switch.

## 6. ABOUT THIS INFORMATION

All information is published subject to possible errors. Information is updated without prior notice.

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